

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-32 (Canceled).

33. (Currently Amended) A device for supplying a respiratory gas, in particular a CPAP device, comprising:

a delivery device to deliver the respiratory gas at a pressure level that is above ambient pressure,

a housing device to receive the delivery device, ~~and~~

an air-conduction structure to conduct the respiratory gas from the delivery device to an outlet region, wherein the air-conduction structure includes a molded foam part made from a foamed material, the molded foam part being subdivided into a first portion of the molded foam part and a second portion of the molded foam part, and the first and second portions cooperating to define a conduit wall of an air-carrying conduit in which a portion of the conduit wall is formed by the first portion and a remaining portion of the conduit wall is formed by the second portion,

a circuit board including electrical components, the circuit board disposed above the second portion of the molded foam part, and

a coupling shoulder recess formed in the molded foam part, the coupling shoulder recess receiving a coupling cuff coupled to the respiratory gas delivery device, the coupling cuff

disposed between the respiratory gas delivery device and an outlet line.

34. (Previously Presented) The device in accordance with claim 33, wherein the molded foam part defines air-carrying conduits.

35. (Canceled).

36. (Previously Presented) The device in accordance with claim 33, wherein the air-conduction structure defines a sound absorption path.

37. (Previously Presented) The device in accordance with claim 36, wherein the sound absorption path is formed upon the cooperation of the first portion of the molded foam part with the second portion of the molded foam part.

38. (Previously Presented) The device in accordance with claim 36, wherein the sound absorption path is formed in some portions by the first portion of the molded foam part and in some portions by the second portion of the molded foam part.

39. (Previously Presented) The device in accordance with claim 33, further comprising at least one support structure to brace the molded foam part.

40. (Previously Presented) The device in accordance with claim 39, wherein the

molded foam part is detachably coupled to the at least one support structure.

41. (Previously Presented) The device in accordance with claim 39, wherein the molded foam part is injection-molded onto the at least one support structure.

42. (Previously Presented) The device in accordance with claim 33, wherein the molded foam part defines a receiving portion to elastically and resiliently receive the delivery device.

43. (Previously Presented) The device in accordance with claim 42, wherein the receiving portion is embodied such that the delivery device is received in it without play, with a slight press fit.

44. (Previously Presented) The device in accordance with claim 33, wherein the first portion of the molded foam part and the second portion of the molded foam part have different material properties.

45. (Previously Presented) The device in accordance with claim 33, wherein at least one of the portions of the molded foam part forms a filter device.

46. (Previously Presented) The device in accordance with claim 33, wherein a filter device is coupled to the molded foam part.

47. (Previously Presented) The device in accordance with claim 33, wherein the molded foam part forms a portion to stand on.

48. (Previously Presented) The device in accordance with claim 33, wherein the housing device forms a receiving jacket and is placed onto the molded foam part.

49. (Previously Presented) The device in accordance with claim 34, wherein at least some of the air-carrying conduits are formed by an outer surface region of the molded foam part.

50. (Previously Presented) The device in accordance with claim 36, wherein the sound absorption path has a multiply winding course.

51. (Previously Presented) The device in accordance with claim 36, wherein an inner wall of a conduit, which surrounds the sound absorption path and is formed by the molded foam part or a coating provided on it, is provided with one or more sound absorbing profile sections.

52. (Currently Amended) A CPAP device, comprising a core module and an outer module provided for receiving the core module, wherein the outer module includes a housing with a top and the core module includes a foam body, ~~and an air-conduction path is embodied in the foam body and is in communication with a respiratory gas delivery device, to furnish the~~ foam body furnishing a respiratory gas conduction portion the CPAP device with sound

absorbing properties,

the foam body including a first portion disposed in a first horizontal plane and a second portion disposed in a second horizontal plane, the first portion being vertically offset compared to the second portion, the first portion having a recess for receiving a respiratory gas delivery device, being subdivided into a first portion and a second portion, and the first and second portions cooperate to define a conduit wall of the gas conduction portion in which a portion of the conduit wall is formed by the first portion and a remaining portion of the conduit wall is formed by the second portion

a circuit board disposed above the second horizontal plane and between the second portion of the foam body and the top of the housing, the circuit board including electrical components, and

a coupling cuff recess formed in the foam body, the coupling cuff recess receiving a coupling cuff coupled to the respiratory gas delivery device, the coupling cuff disposed between the respiratory gas delivery device and an outlet line.

53. (Previously Presented) The CPAP device in accordance with claim 52, wherein the respiratory gas delivery device is embedded in the foam body.

54. (Previously Presented) The CPAP device in accordance with claim 52, wherein the foam body comprises multiple parts.

55. (Previously Presented) The CPAP device in accordance with claim 52, wherein

function components are inserted into the foam body.

56. (Previously Presented) The CPAP device in accordance with claim 52, wherein conduction structure components are inserted into the foam body.

57. (Previously Presented) The CPAP device in accordance with claim 56, wherein the conduction structure components include a breathing hose connection structure component and/or an air humidifier connection structure component.

58. (Previously Presented) The CPAP device in accordance with claim 52, wherein the foam body forms a securing device to suspend the delivery device and/or one or more function components of the CPAP device.

59. (Previously Presented) The CPAP device in accordance with claim 52, wherein the one or more function components include a power pack.

60. (Previously Presented) The CPAP device in accordance with claim 58, wherein the one or more function components include at least one sensor to measure pressure and/or volumetric flow.

61. (Previously Presented) The CPAP device in accordance with claim 58, wherein the one or more function components include a control unit.

62. (Previously Presented) The CPAP device in accordance with claim 58, wherein the one or more function components include one or more valve devices.

63. (Previously Presented) The CPAP device in accordance with claim 58, wherein the one or more function components include one or more switch devices.

64. (Previously Presented) The CPAP device in accordance with claim 52, wherein geometry of the foam body is determined by a plastic injection molding tool, and the foam body is produced by means of a plastic material injection molding operation.

65. (Previously Presented) The device in accordance with claim 33, wherein the first and second portions cooperate to define walls of a receiving portion to receive the delivery device in which a portion of the walls are formed by the first portion and a remaining portion of the walls are formed by the second portion.

66. (Previously Presented) The device in accordance with claim 33, wherein the conduit wall is divided along a plane that is parallel to an axis of the conduit, and the first and second portions interface with one another along said plane.

67. (New) The CPAP device in accordance with claim 52, wherein the first and second portions of the foam body have different material properties.

68. (New) The CPAP device in accordance with claim 52, wherein the foam body is an open cell foam body.

69. (New) A CPAP device, comprising:

a respiratory gas delivery device to deliver respiratory gas at a pressure level that is above ambient pressure, the respiratory gas delivery device including an outlet portion extending laterally from a body of the respiratory gas delivery device,

a foam body having at least one portion that is molded, the foam body having a first portion disposed in a first horizontal plane and a second portion disposed in a second horizontal plane, the first horizontal plane being vertically offset from the second horizontal plane, the first portion having a first recess that receives the respiratory gas delivery device and the outlet portion, the first portion having a coupling cuff recess positioned adjacent the first recess, the coupling cuff recess including a shoulder extending substantially perpendicular to a longitudinal axis of the outlet portion,

a coupling cuff connected to the outlet portion of the respiratory gas delivery device, the coupling cuff including a pair of flanges with a recessed portion therebetween, at least one of the pair of flanges abutting the shoulder of the coupling cuff recess,

a circuit board, the circuit board including electrical components,

a housing device to receive the respiratory gas delivery device and the foam body, wherein the circuit board is disposed above the second horizontal plane and between the second portion of the foam body and a top of the housing, and

a connection coupling component downstream of the coupling cuff such that the coupling cuff is positioned between the respiratory gas delivery device and the connection coupling component, the connection coupling component being provided with at least one sensor port or connection connected to at least one sensor to sense flow and/or pressure of the respiratory gas flowing through the connection coupling component.

70. (New) The CPAP device in accordance with claim 69, wherein the circuit board is supported by the second portion of the foam body.

71. (New) The CPAP device in accordance with claim 69, wherein the connection coupling component is supported by the first portion of the foam body.

72. (New) The CPAP device in accordance with claim 69, wherein the electrical components comprise a control unit.

73. (New) The CPAP device in accordance with claim 69, further comprising a power pack on the circuit board.

74. (New) The CPAP device in accordance with claim 69, wherein the at least one sensor port includes a pressure measuring port and a flow sensor port.

75. (New) The CPAP device in accordance with claim 69, wherein the connection

coupling component includes a pressure measuring connection component having first and second ends, the first end being a pressure measuring hose connection for connecting to a pressure measuring hose, and the second end being a pressure measuring port connected to a pressure sensor.

76. (New) The CPAP device in accordance with claim 69, wherein the at least one sensor comprises a flow sensor to sense a flow of the respiratory gas flowing through the connection coupling component.

77. (New) The CPAP device in accordance with claim 69, wherein the foam body is an open cell foam body.

78. (New) The CPAP device in accordance with claim 69, wherein the first portion of the foam body defines a receiving portion that elastically and resiliently receives the respiratory gas delivery device.

79. (New) The CPAP device in accordance with claim 78, wherein the receiving portion is embodied such that the respiratory gas delivery device is received in it without play, with a slight press fit.

80. (New) The CPAP device in accordance with claim 69, wherein the first portion of the foam body and the second portion of the foam body have different material properties.

81. (New) The CPAP device in accordance with claim 69, wherein the foam body forms a stand.

82. (New) A CPAP device comprising:
a respiratory gas delivery device to deliver respiratory gas at a pressure level that is above ambient pressure,
a housing having an inlet and an outlet, the outlet being positioned to extend through a vertical side wall of the housing,
a foam body within the housing, the foam body including a first foam body having a top surface, the top surface of the first foam body having a first recess formed therein that receives the respiratory gas delivery device, and the top surface of the first foam body having a second recess that receives and supports at least one other component, and
a second foam body formed separately from the first foam body, the second foam body having a top surface and a bottom surface, the second foam body including a third recess formed in the top surface, wherein the first and second foam bodies cooperate to at least partially encapsulate the respiratory gas delivery device, and the top surface of the first foam body is disposed in a common horizontal plane with the bottom surface of the second foam body.

83. (New) The CPAP device in accordance with claim 82, wherein the at least one other component includes an outlet portion of the respiratory gas delivery device, and a coupling cuff connected to the outlet portion.

84. (New) The CPAP device in accordance with claim 82, wherein at least a portion of the foam body is molded.

85. (New) The CPAP device in accordance with claim 84, wherein the second recess includes an outlet portion recess and a coupling cuff recess including a shoulder extending substantially perpendicular to a longitudinal axis of the outlet portion.

86. (New) The CPAP device in accordance with claim 85, further comprising a connection coupling component downstream of the coupling cuff such that the coupling cuff is positioned between the respiratory gas delivery device and the connection coupling, the connection coupling component being supported by the first foam body at a position that is laterally offset from the first recess and adjacent the outlet of the housing.

87. (New) A CPAP device comprising:
a housing having an outlet in a vertical wall thereof,
a respiratory gas delivery device to deliver respiratory gas at a pressure level that is above ambient pressure,
a foam body disposed in the housing and having at least one portion that is molded, the foam body having a first horizontal surface and a second horizontal surface, the first horizontal surface being vertically and laterally offset from the second horizontal surface, the first horizontal surface receiving a sensor device and a circuit board, the second horizontal surface

receiving at least one functional component, and

a vertical wall formed in the foam body separating the first and second horizontal surfaces, the vertical wall and the first horizontal surface being positioned between the second horizontal surface and the outlet of the housing.

88. (New) The CPAP device in accordance with claim 87, wherein the foam body is an open cell foam body.

89. (New) The CPAP device in accordance with claim 52, wherein a diameter of the coupling cuff recess is greater than a diameter of an adjoining portion of the foam body.

90. (New) The CPAP device in accordance with claim 52, wherein the coupling cuff includes a pair of flanges with a recessed portion therebetween, at least one of the pair of flanges abutting a shoulder of the coupling cuff recess.

91. (New) The CPAP device in accordance with claim 69, wherein a diameter of the coupling cuff recess is greater than a diameter of an adjoining portion of the foam body.